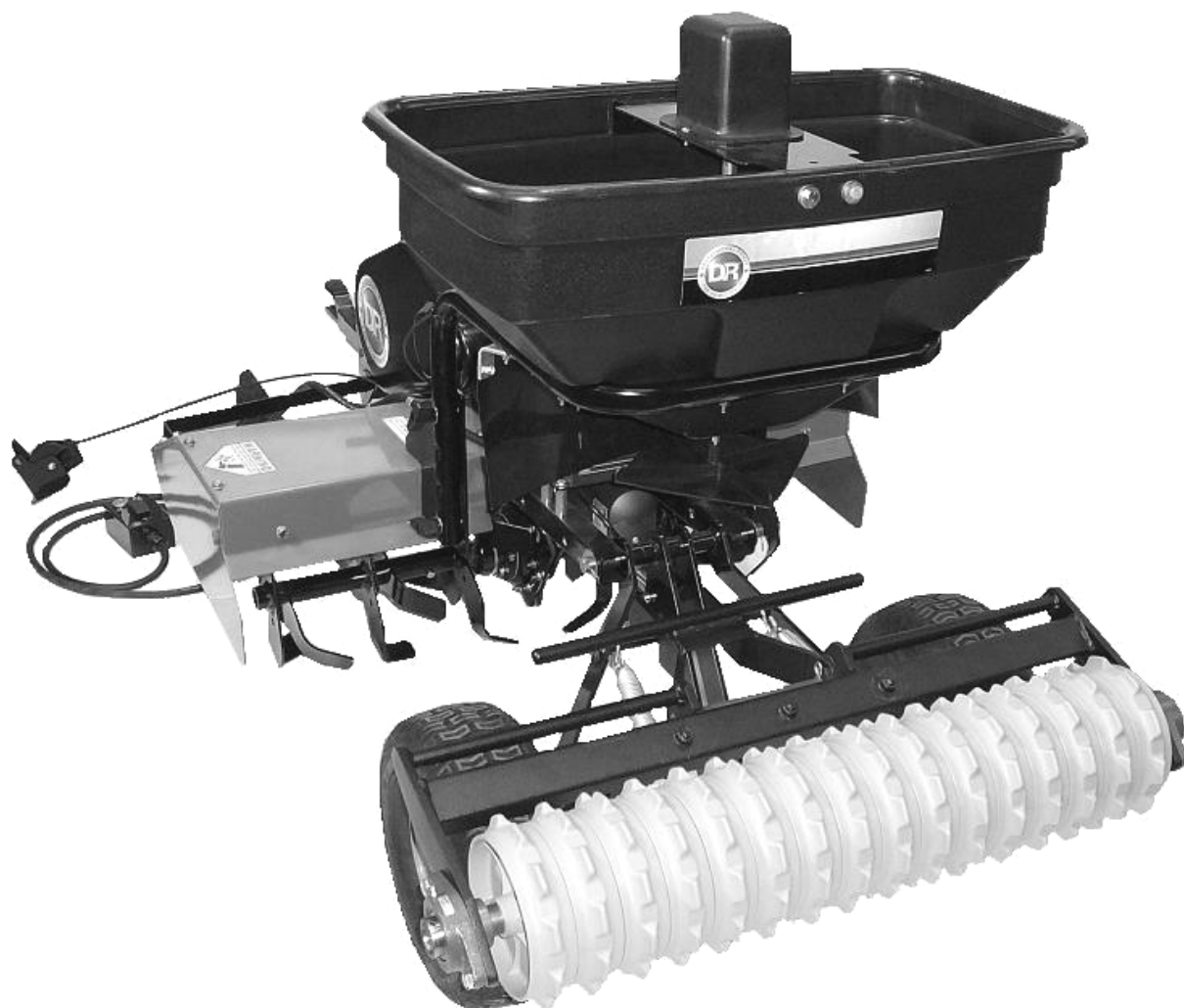


# DR<sup>®</sup> ROTO-HOG<sup>™</sup> POWER TILLER OPTIONAL ACCESSORIES

## SAFETY & OPERATING INSTRUCTIONS



### **WARNING!**

READ AND UNDERSTAND THIS MANUAL AND ALL INSTRUCTIONS BEFORE USING YOUR NEW ACCESSORY.

Congratulations on your purchase of a new OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER!

We have done our utmost to ensure that your OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER will be one of the most trouble-free and satisfying pieces of equipment you have ever owned. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.** We also hope to hear from you on how much you like your new helper.

And, please tell your friends about your new OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER! Having DR Owners spread the word about our products and our way of doing business is the best advertising we can have, and the best way to help us provide even better service in the years to come.

Thanks once again!

for all of us at  
Country Home Products, Inc.®



**Sales Manager**

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DR® Power Equipment  
*A division of Country Home Products®*  
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## Table of Contents

CHAPTER 1 .....	1
INTRODUCING THE DR ROTO-HOG POWER TILLER OPTIONAL ACCESSORIES .....	1
Conventions used in this manual .....	1
DR ROTO-HOG POWER TILLER OPTIONAL ACCESSORIES Specification Sheets .....	2
CHAPTER 2 .....	3
GENERAL SAFETY RULES .....	3
Labels .....	4
Additional Information and Potential Changes .....	4
CHAPTER 3 .....	5
SETTING UP YOUR ACCESSORY for the DR ROTO-HOG POWER TILLER.....	5
SETTING UP YOUR DR POWER SPREADER.....	5
Unpacking the DR Power Spreader .....	5
Major Components .....	6
Hardware Package Contents.....	7
Installing the DR POWER SPREADER .....	8
Instructions .....	8
Wiring Instructions .....	11
Mounting the Flow Control Lever Assembly .....	12
SETTING UP YOUR DR CULTI-PACKER .....	13
Unpacking the DR Culti-packer.....	13
Major Components .....	13
Hardware Package Contents.....	14
Assembling the Culti-packer .....	15
Installing the Culti-packer .....	16
CHAPTER 4 .....	19
OPERATING YOUR OPTIONAL ACCESSORY .....	19
OPERATING YOUR DR POWER SPREADER .....	19
Setting the Flow Control Lever.....	19
Starting the DR Power Spreader .....	19
Stopping the DR Power Spreader .....	19
Using Your DR Power Spreader.....	19
Removing the DR Power Spreader .....	20
OPERATING YOUR DR CULTI-PACKER .....	21
Setting the Culti-packer to Operating Position .....	21
Operating tips .....	21
CHAPTER 5 .....	23
MAINTAINING THE OPTIONAL ACCESSORY .....	23
MAINTAINING THE DR POWER SPREADER .....	23
Regular Maintenance Check List before each use .....	23
Storage .....	23

MAINTAINING THE DR CULTI-PACKER.....	24
Regular Maintenance Check List before each use .....	24
Replacing Parts.....	24
Cleaning.....	24
Storage .....	24
CHAPTER 6 .....	25
TROUBLESHOOTING YOUR OPTIONAL ACCESSORY.....	25
TROUBLESHOOTING YOUR DR POWER SPREADER.....	25
Troubleshooting Table .....	25
TROUBLESHOOTING YOUR DR CULTI-PACKER .....	26
Troubleshooting Table .....	26
Notes .....	27
CHAPTER 7 .....	28
PARTS LIST AND SCHEMATIC DIAGRAMS.....	28
Parts List - DR POWER SPREADER.....	28
Schematic - DR POWER SPREADER .....	29
Parts List - DR CULTI-PACKER .....	30
Schematic - DR CULTI-PACKER.....	31
Daily Checklist for the OPTIONAL ACCESSORY .....	32
DR POWER SPREADER CHECKLIST.....	32
DR CULTI-PACKER CHECKLIST .....	32

## INTRODUCING THE DR ROTO-HOG POWER TILLER OPTIONAL ACCESSORIES

This manual will help you set up and safely operate your new OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER. Careful adherence to the safety and operating instructions in this manual will ensure many years of productive use. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.**

### *Conventions used in this manual*

---

#### **DANGER!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT FOLLOWED, WILL RESULT IN DEATH OR SERIOUS INJURY.

---

---

#### **WARNING!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

---

---

#### **CAUTION!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

---

---

#### **NOTICE!**

THIS INFORMATION IS IMPORTANT IN THE PROPER USE OF YOUR SPREADER. FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN DAMAGE TO YOUR SPREADER OR PROPERTY.

---

**Tip:** This is a helpful hint to guide you in getting the most out of your OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER.

**Tools Needed:** This indicates you will need a special tool to perform an assembly function on your new OPTIONAL ACCESSORY.

**NOTE:** *This information may be helpful to you.*

If you are ever unsure about an action you are about to take, don't do it. Contact Country Home Products' toll-free support at 1-800-DR-OWNER (376-9637) for help or information.

## **DR ROTO-HOG POWER TILLER OPTIONAL ACCESSORIES *Specification Sheets***

### **DR POWER SPREADER SPECIFICATIONS**

Spreader Dimensions	34" X 30" X 32"
Shipping Dimensions	29.78" X 21.38" X 24.25"
Shipping Weight	35 lbs.
Spreader Capacity (Weight)	125 lbs.
Spreader Capacity (Volume)	14 gal.

### **DR CULTI-PACKER SPECIFICATIONS**

Culti-packer Dimensions	20" X 12" X 38"
Shipping Dimensions	18" X 12" X 39"
Shipping Weight	Approx. 87 lbs.

## GENERAL SAFETY RULES

---

### **WARNING!**

ANY POWER EQUIPMENT CAN CAUSE INJURY IF OPERATED IMPROPERLY OR IF THE USER DOES NOT UNDERSTAND HOW TO OPERATE THE EQUIPMENT. EXERCISE CAUTION AT ALL TIMES WHEN OPERATING EQUIPMENT.

- READ THIS OWNERS MANUAL BEFORE ATTEMPTING TO ASSEMBLE OR OPERATE THE ACCESSORY.
  - READ THE VEHICLE OWNER'S MANUAL AND KNOW HOW TO OPERATE YOUR VEHICLE, BEFORE USING THE ACCESSORY.
  - DO NOT ALLOW ANYONE TO RIDE ON OR SIT ON SPREADER OR CULTI-PACKER FRAME.
  - NEVER ALLOW CHILDREN TO OPERATE THE VEHICLE OR ACCESSORY.
  - DO NOT ALLOW ADULTS TO OPERATE THE VEHICLE OR ACCESSORY WITHOUT PROPER INSTRUCTIONS.
  - WE RECOMMEND WEARING SAFETY SHOES WHEN USING THIS MACHINE. WEAR SHOES WITH NON-SLIP TREADS TO IMPROVE FOOTING ON SLIPPERY SURFACES. DO NOT USE THE MACHINE WEARING OPEN SANDALS OR WHILE BAREFOOT.
  - WEAR EYE AND HAND PROTECTION WHEN HANDLING AND USING LAWN CHEMICALS.
  - ALWAYS BEGIN WITH THE VEHICLE TRANSMISSION IN FIRST (LOW) AND GRADUALLY INCREASE SPEED AS CONDITIONS PERMIT.
  - WHEN USING THE ACCESSORY DO NOT DRIVE TOO CLOSE TO A CREEK OR DITCH AND BE ALERT FOR HOLES AND OTHER HAZARDS WHICH COULD CAUSE YOU TO LOOSE CONTROL OF THE ACCESSORY AND VEHICLE.
  - ALWAYS OPERATE VEHICLE AND ACCESSORY UP AND DOWN A SLOPE, NEVER ACROSS A SLOPE.
  - READ INSTRUCTIONS AND CAUTION NOTES FOR HANDLING AND APPLICATION OF MATERIALS PURCHASED FOR SPREADING.
  - FOLLOW MAINTENANCE AND LUBRICATION INSTRUCTIONS AS OUTLINED IN THIS MANUAL.
-

## Labels

Your OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the labels that appear on the accessories. Take a moment to study them and make a note of their location on your OPTIONAL ACCESSORY for the DR ROTO-HOG POWER TILLER as you assemble and before you operate the unit. Replace damaged or missing safety and information labels immediately.

### DR Power Spreader:

APPLICATION TIPS		HOW TO USE YOUR SPREADER		TYPE MATERIAL	SETTING AT 3 MPH	SPREAD WIDTH IN FEET
<p>Recommended speed: 3 MPH (100 feet in 23 seconds)</p> <p>(Reduce flow setting for slower speed, and increase for higher speed.)</p> <p>Always move flow control arm to the "OFF" position while filling spreader and when STOPPING or TURNING, to prevent excess fertilizer being released. Spreaders operate best with solid materials. Distribution of powders may vary from this table in both spread width and coverage.</p>		<p>1 Set flow gauge on #0 position and push control arm to the "OFF" position.</p> <p>2 Move tractor and/or spreader onto flat surface.</p> <p>3 Before filling spreader, refer to chart guidelines:</p>		FERTILIZER		
				Powder	3 - 5	3 - 4
				Granular	3 - 5	8 - 10
				Pelleted	3 - 5	10 - 12
				Organic	6 - 8	6 - 8
				GRASS SEED		
				Fine	3 - 4	6 - 7
				Course	4 - 5	8 - 9

# 234971

### *Additional Information and Potential Changes*

Country Home Products, Inc. reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.



## SETTING UP YOUR ACCESSORY for the DR ROTO-HOG POWER TILLER

This chapter outlines a few simple steps you will need to follow to set up and use your new DR ROTO-HOG POWER TILLER OPTIONAL ACCESSORIES. If you have any questions at all, **please feel free to contact our Customer Service Representatives at our toll free number 1-800-DR-OWNER (376-9637).**

### SETTING UP YOUR DR POWER SPREADER

#### *Unpacking the DR Power Spreader*

**Parts Supplied:**

- Hopper/Frame Assembly
- Screen
- Vinyl Cover
- Hardware Package
- Impeller Shaft
- Deflector
- Mounting Bracket, R.H.
- Mounting Bracket, L.H.
- Impeller
- Motor Mount Assembly

**Tools Needed:**

- Pliers

1. Open the shipping container by pulling the staples out with pliers and opening the top flaps (**Figure 1**).
2. Remove the contents to a flat open area (the Mounting Brackets are located under the bottom box flaps).
3. Open the cardboard that is wrapped around the Motor Mount Assembly to remove the Motor Mount Assembly, Vinyl Cover, Impeller Shaft and Hardware Package
4. See the unpacked "Major Components" (**Figure 2**).

**NOTE:** Do not discard your packaging material until you are fully satisfied with your new DR POWER SPREADER.

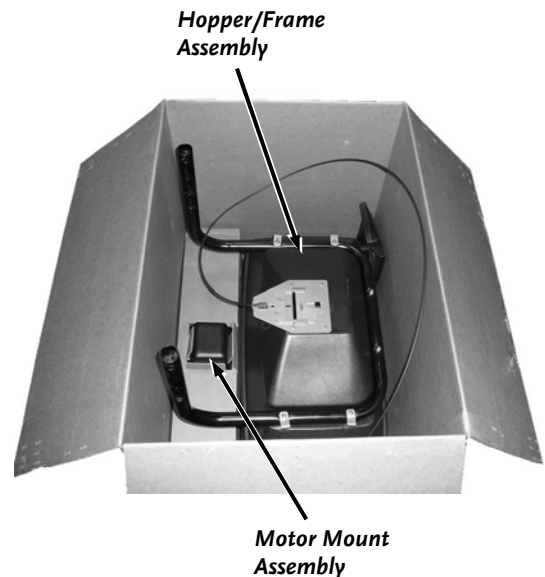


Figure 1

## Major Components

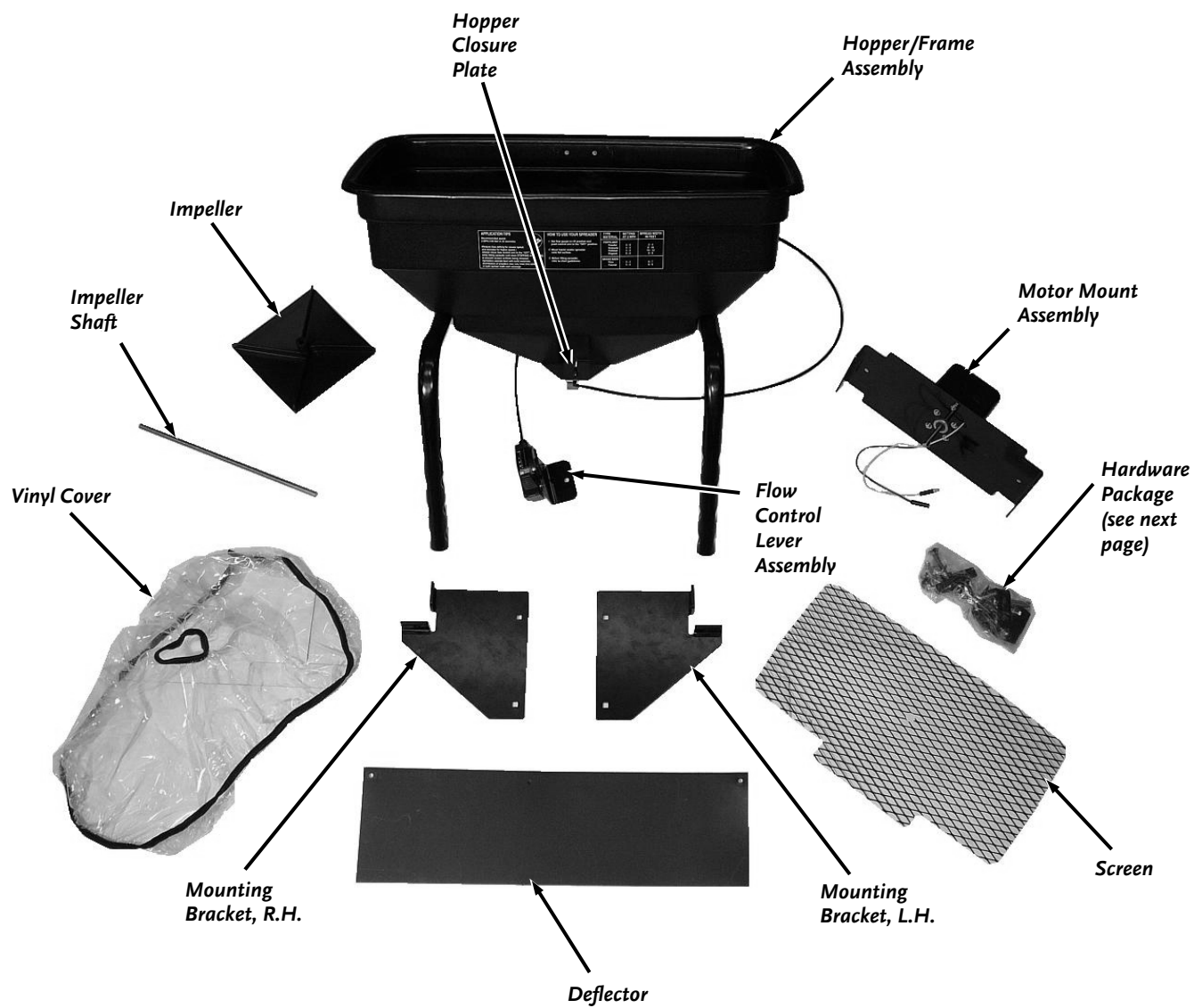
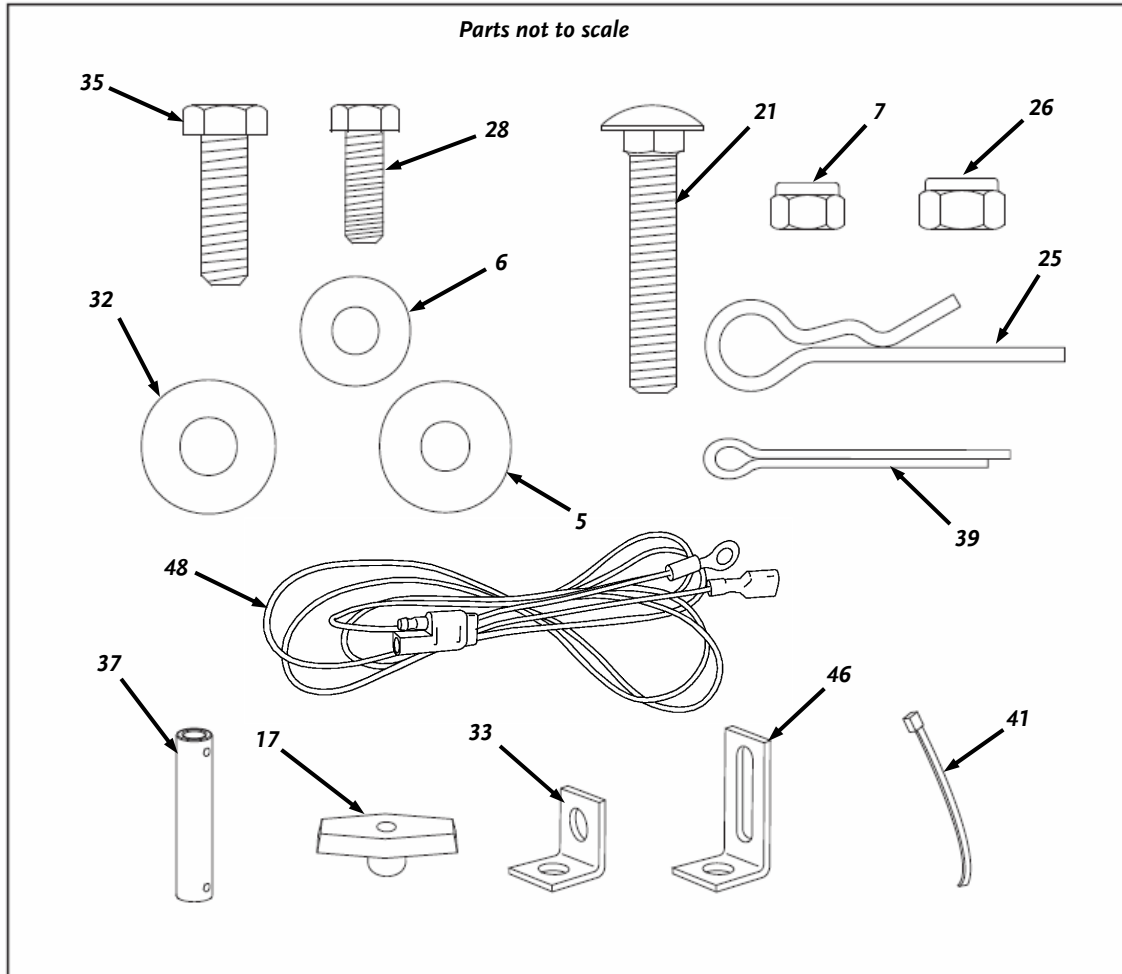


Figure 2

## Hardware Package Contents

The item numbers listed below are the same item numbers listed in the parts list and schematic diagram in the "Parts List and Schematic Diagrams" section of chapter 7. This reference will aid in the proper location of parts as you assemble the spreader.



ITEM NO.	QTY.	DESCRIPTION	ITEM NO.	QTY.	DESCRIPTION
35	4	Hex Bolt, 5/16" x 1"	25	1	Hair Pin Agitator
28	2	Hex Bolt, 1/4" x 3/4"	39	3	Cotter Pin, 1/8" x 1-1/4"
21	5	Carriage Bolt, 5/16" x 1-3/4"	37	1	Impeller Coupler
7	2	Nylock Hex Nut, 1/4"	17	5	Wing Knob
26	4	Nylock Hex Nut, 5/16"	33	2	Angle Bracket
6	2	Flat Washer, 1/4"	46	1	Mounting Clamp
32	8	Flat Washer, 5/16"	41	2	Nylon Tie
5	2	Nylon Washer	48	1	Spreader Cable

*Table 1*

## Installing the DR POWER SPREADER

### Tools Needed:

- 7/16" Wrench and Socket
- 1/2" Wrench and Socket

### Instructions:

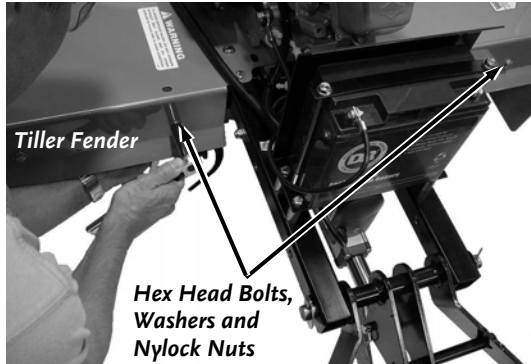


Figure 3

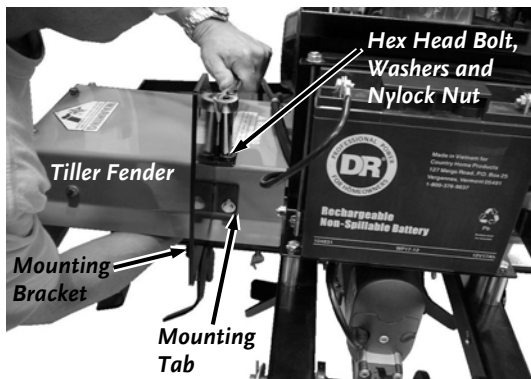


Figure 4

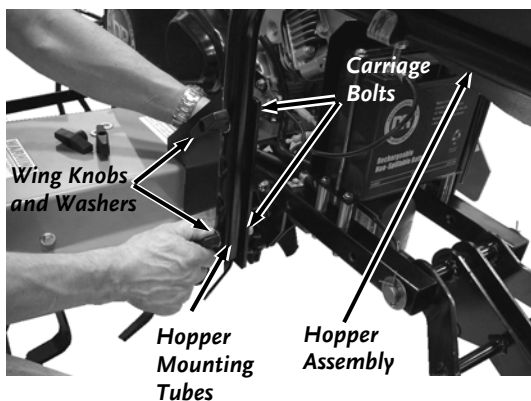
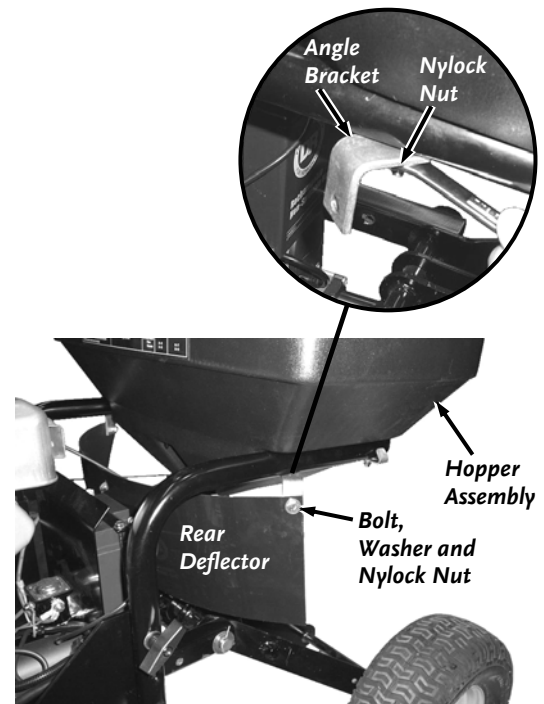


Figure 5

1. Remove two 5/16-18 X 2-1/4" Hex Head Bolts, Washers and Nylock Nuts (1/2" Wrench) from the back face of the ROTO-HOG POWER TILLER Fender (**Figure 3**).
2. Position the left hand Mounting Bracket onto the back face of Tiller Fender (**Figure 4**), with mounting tabs facing in, and replace the hardware you removed in step 1. Install a 5/16-18 X 1" Hex Head Bolt (on top), Washer and Nylock Nut (1/2" Wrench) to secure the Bracket to top of the Tiller Fender. Repeat this step to install the right hand Mounting Bracket.
3. Use the top and bottom holes of the Mounting Tubes on the Hopper/Frame assembly to attach the assembly to the Spreader Mount Brackets with four 5/16-18 x 1-3/4" Carriage Bolts (1/2" Wrench), four 5/16" Washers and four Wing Knobs (**Figure 5**). Make sure that the Carriage Bolt square goes fully into the square holes of the Spreader Mount Brackets and the Wing Knobs and Washers are on the Mounting Tube side.

4. Remove two 1/4" Nylock Nuts (7/16" Wrench) from the Hopper Assembly and position the two Angle Brackets and secure (hand tight) with the two Nuts you removed (**Figure 6**).
5. Position the Rear Deflector onto the Angle Brackets and secure with two 1/4-20 x 3/4" Bolts, Washers and Nylock Nuts.
6. Tighten the Nylock Nuts that secure the Angle Brackets to the Hopper Assembly.

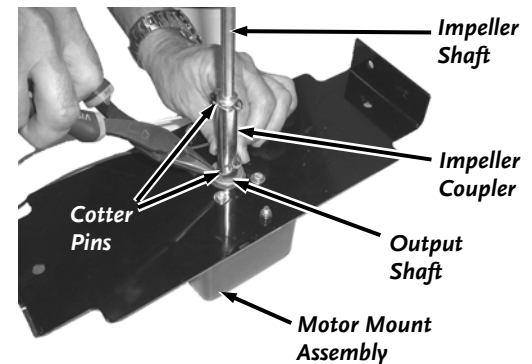


**Figure 6**

7. Position the Impeller Coupler over the Output Shaft of the Motor Mount Assembly and secure with 1/8" x 1-1/4" Cotter Pin (**Figure 7**).

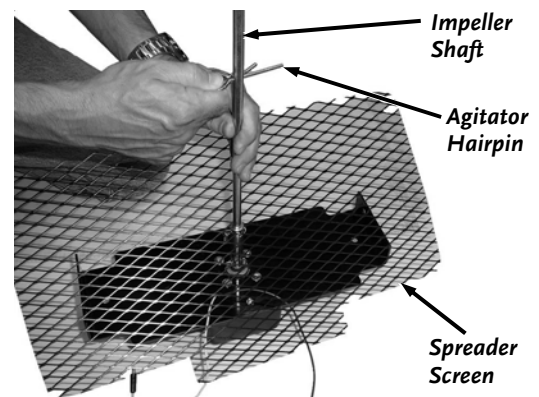
**NOTE:** The Impeller Shaft has three holes in it. It should be mounted so that the center hole is furthest away from the Impeller Coupler.

8. Insert the Impeller Shaft into the Impeller Coupler and secure with 1/8" x 1-1/4" Cotter Pin.



**Figure 7**

9. Slide the Impeller Shaft through the hole in Spreader Screen and insert the Agitator Hairpin thru the center hole in the Impeller Shaft (**Figure 8**).



**Figure 8**

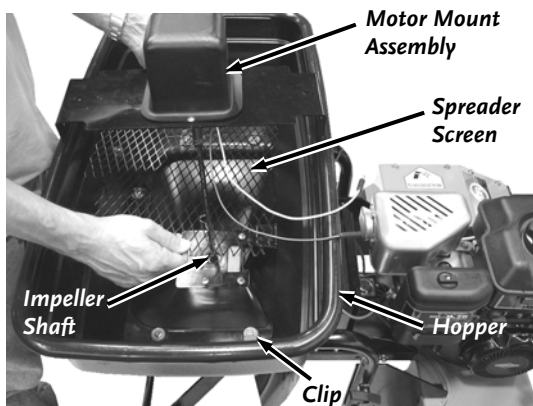


Figure 9

10. Position the Motor Mount assembly with the Spreader Screen into the Hopper and slide the Impeller Shaft through the hole in the bottom of the Hopper (**Figure 9**). Secure the Spreader Screen into the recessed portion of the Hopper by sliding the edge of the Screen under the Clips on both sides.

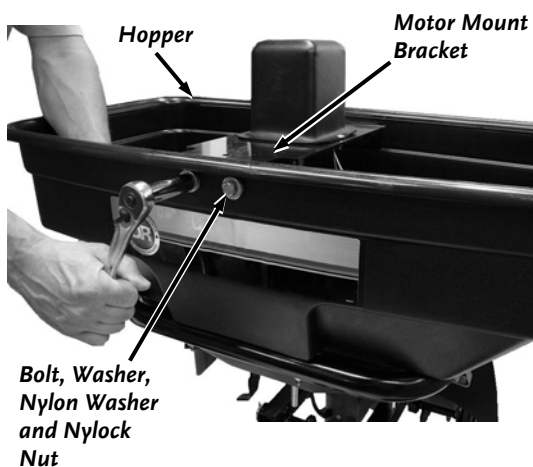


Figure 10

11. Line up the Motor Mount Bracket with holes in Hopper. Secure Motor Mount Bracket to Hopper with two 5/16-18 x 1" Hex Bolts, two 5/16" Washers, two Nylon Washers (against outside of Hopper) and two 5/16" Nylock Nuts (1/2" Wrench) (**Figure 10**).

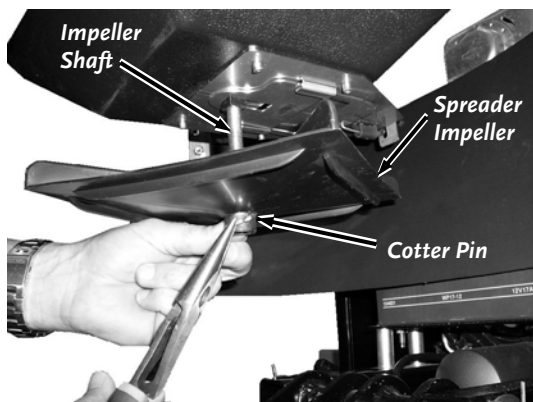


Figure 11

12. Slide the Spreader Impeller onto the Impeller Shaft with the large fins facing up and secure with 1/8" x 1-1/4" Cotter Pin (**Figure 11**).

## Wiring Instructions

1. Move the "ON-OFF" Switch on the ROTO-HOG Control Box to the "OFF" position (**Figure 12**).

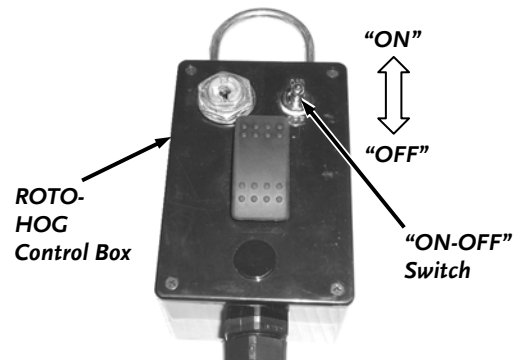


Figure 12

2. Attach the Spreader Cable Connector to the Motor Mount Assembly Connectors (**Figure 13**).

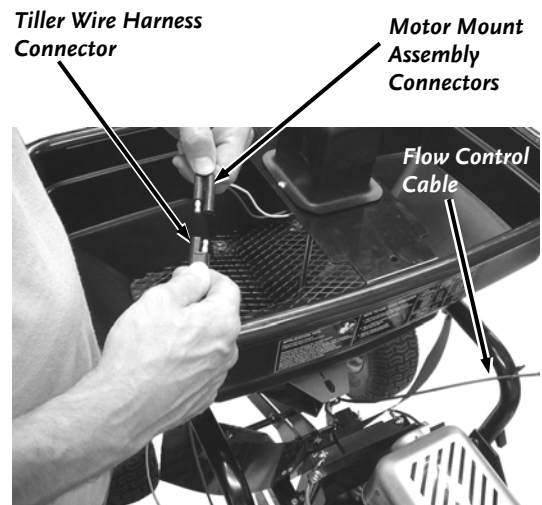


Figure 13

3. Plug the Green Wire Connector from the Spreader Cable into the Green Wire Connector from the Tiller (**Figure 14**).
4. Remove the Nylock Nut from the Ground Stud on the Battery Mounting Bracket.
5. Install the Black Wire Terminal from the Spreader Cable onto the Ground Stud and reinstall the Nylock Nut.
6. Use the Nylon Ties provided to safely secure the wiring and Flow Control Cable away from hot engine parts, rotating parts and pinch points.

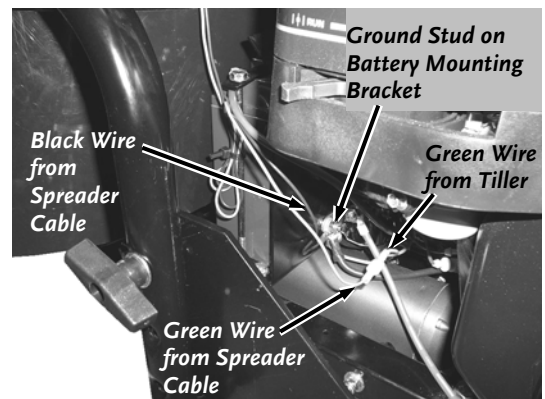
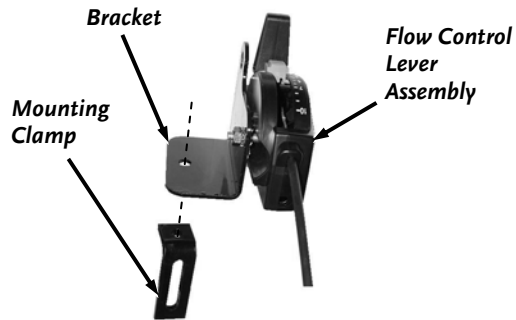


Figure 14

### ***Mounting the Flow Control Lever Assembly***



***Figure 15***

1. Find a place on your tow vehicle to mount the Flow Control Lever Assembly where you can operate while sitting on the vehicle. If there is not a hole in the area to mount a 5/16" bolt then you must create one.
2. Using a 5/16" x 1-3/4" Carriage Bolt and Wing Knob from the Hardware Package, mount the Flow Control Lever Assembly to your Tow Vehicle (***Figure 15***).
3. If a different mounting position is required, use the Mounting Clamp from your Hardware Package to change the position of the Flow Control Lever Assembly. You will need to provide the hardware to mount the Mounting Clamp to the tow vehicle.



## SETTING UP YOUR DR CULTI-PACKER

### Unpacking the DR Culti-packer

#### Parts Supplied:

- Frame and Wheel Assembly
- Hook Assembly
- Hardware Package

#### Tools Needed:

- Pliers
- Utility Knife

1. Cut the plastic away from the box with a Utility Knife.
2. Open the shipping container by pulling the staples out with pliers and opening the top flaps (**Figure 16**).
3. Remove the contents to a flat open area.
4. See the unpacked “Major Components” (**Figure 17**).

**NOTE:** Do not discard your packaging material until you are fully satisfied with your new DR CULTI-PACKER.

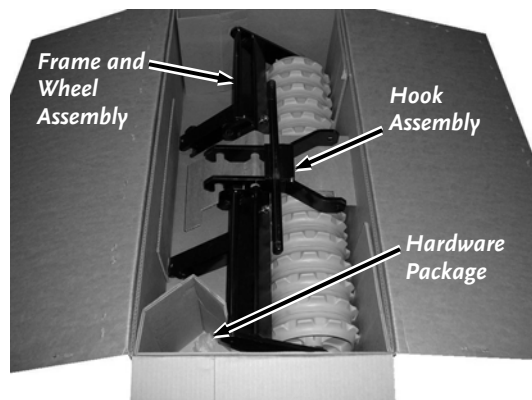


Figure 16

### Major Components

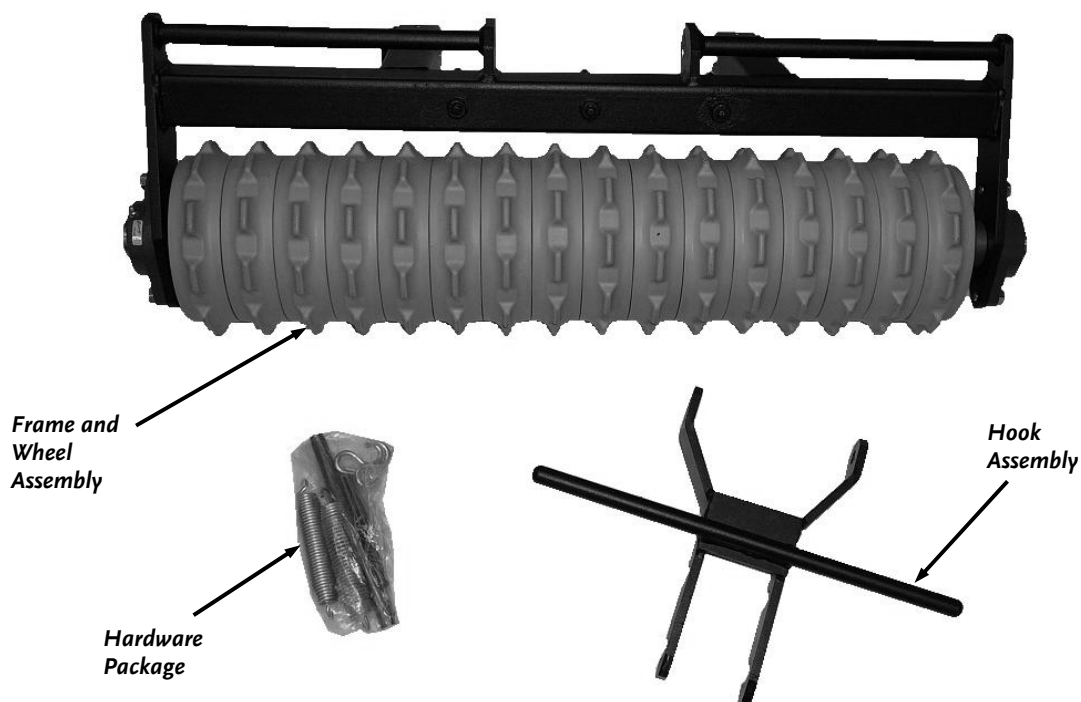
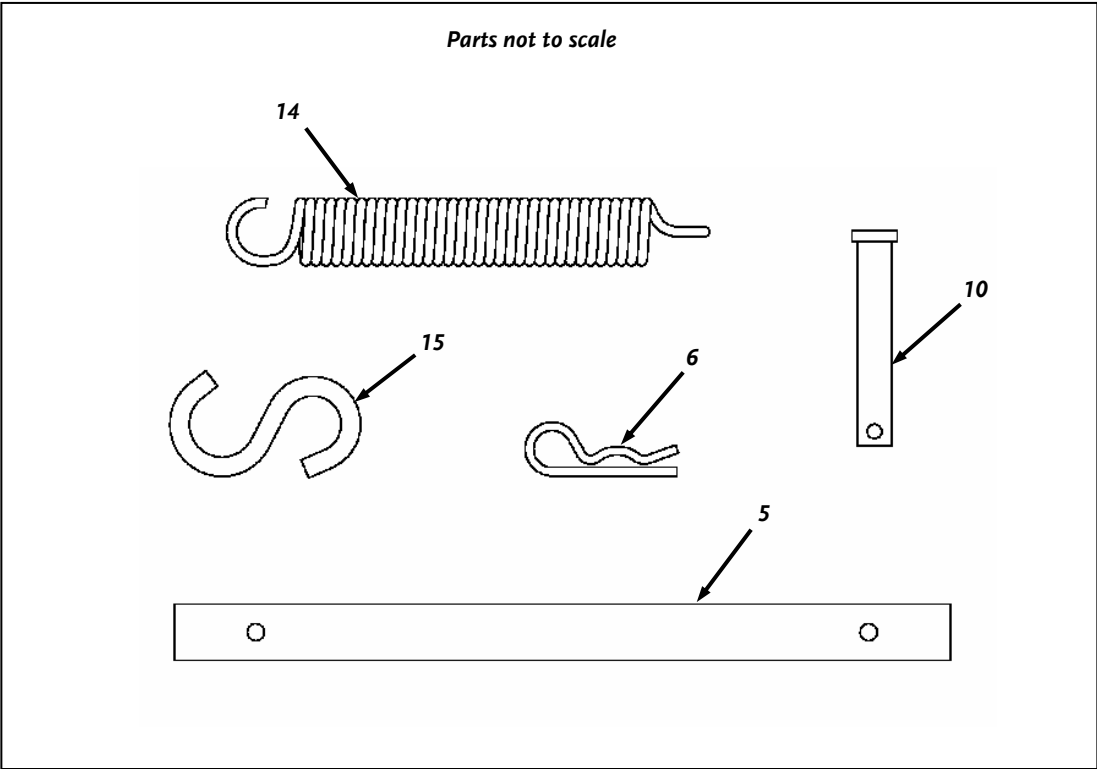


Figure 17

# Hardware Package Contents

The item numbers listed below are the same item numbers listed in the parts list and schematic diagram in the “Parts List and Schematic Diagrams” section of chapter 7. This reference will aid in the proper location of parts as you assemble and install the Culti-packer.



ITEM NO.	QTY.	DESCRIPTION	ITEM NO.	QTY.	DESCRIPTION
14	2	Extension Spring	10	2	Clevis Pin
15	2	“S” Hook	5	1	Hook Axle
6	4	Hairpin Clip			

Table 2

## Assembling the Culti-packer

1. Position the Hook Assembly and line up the holes with the Frame Assembly (**Figure 18**).
2. Insert the Hook Axle so it is flush on both sides.

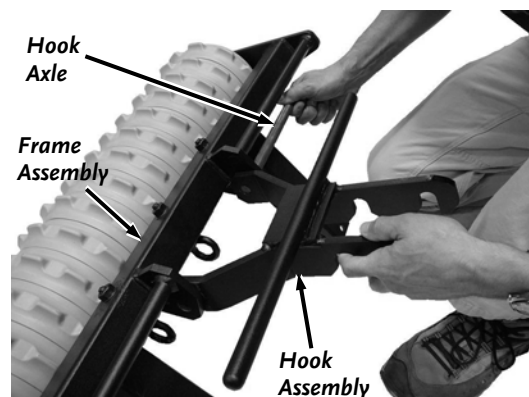


Figure 18

3. Insert two Hairpin Clips into the holes in the Hook Axle (**Figure 19**).

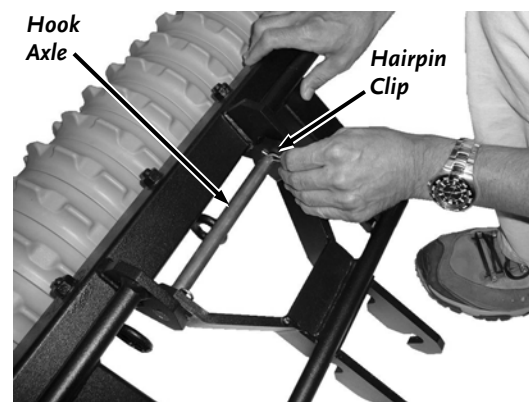


Figure 19

4. Install the springs onto the two Eye Bolts on the Frame Assembly (**Figure 20**).

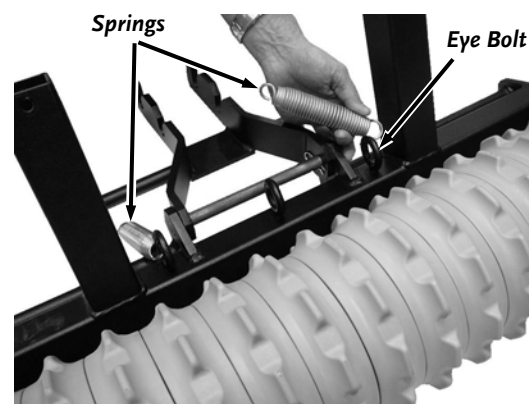


Figure 20

## Installing the Culti-packer

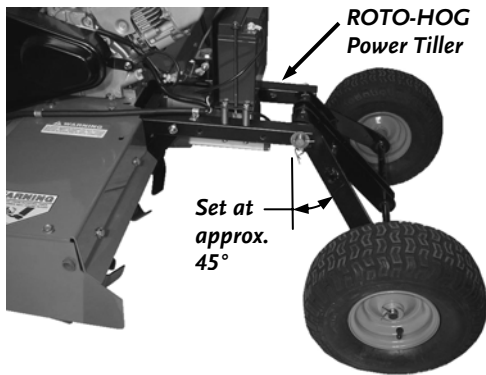


Figure 21

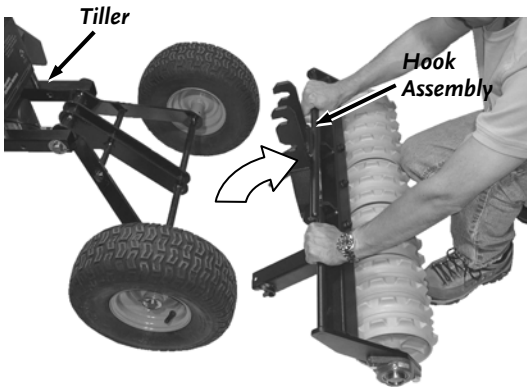


Figure 22

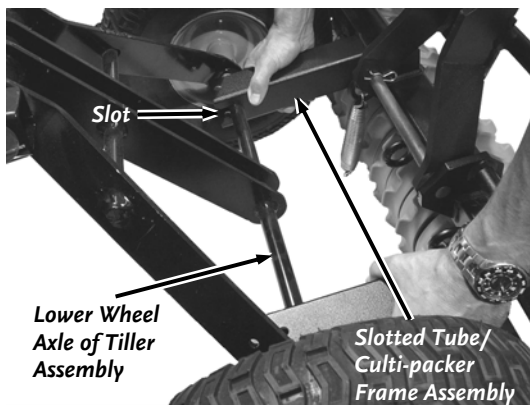


Figure 23

1. Rotate the ROTO-HOG Power Tiller Wheels to their halfway position with the ROTO-HOG Control Box (**Figure 21**).
2. Position the Culti-packer at the rear of the Tiller near the wheel axle (**Figure 22**).
3. Rotate the Hook Assembly away from the Tiller.
4. Slide the Slotted Tubes of the Frame Assembly onto the Lower Wheel Axle of the Tiller until the Axle is seated into the slot base of both Slotted Tubes (**Figure 23**).

5. Insert the Clevis Pins into the holes at the ends of the Slotted Tubes from the top and secure the Clevis Pins with Hairpin Clips (**Figure 24**).

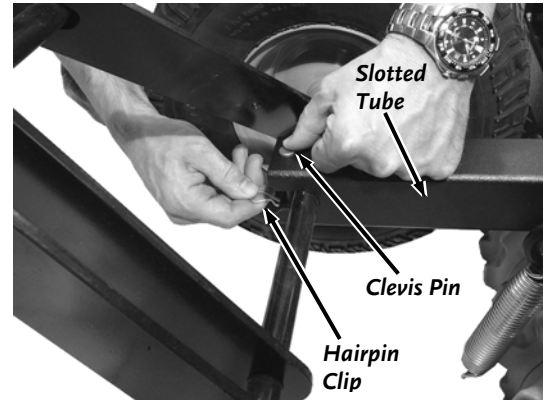


Figure 24

6. Use the ROTO-HOG Control Box to Raise the Tiller Tines to their uppermost position (**Figure 25**).

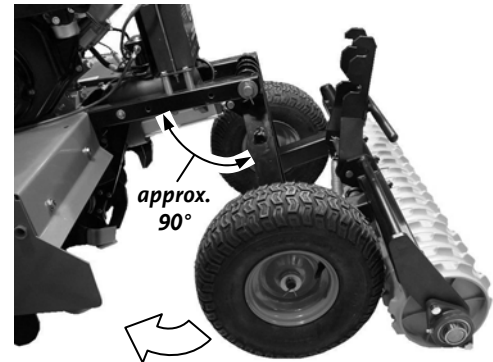


Figure 25

7. Place the “S” Hooks onto the Support Rod on the Tiller Wheel Frame Assembly (**Figure 26**).

*NOTE: The “S” Hooks have a large and small end. The large end is for the Support Rod and the small ends are for the Springs to attach in the next step.*

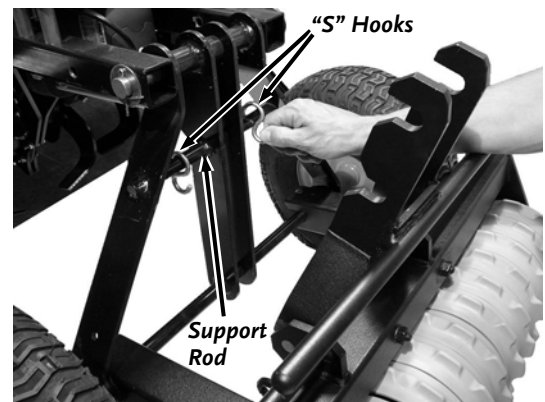


Figure 26

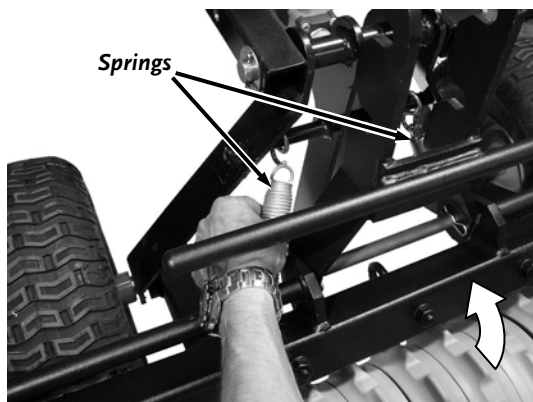


Figure 27

8. Rotate the Culti-packer up towards the Wheel Frame and Hook the Springs onto the “S” Hooks (**Figure 27**).
9. Slowly lower the Culti-packer to the ground.

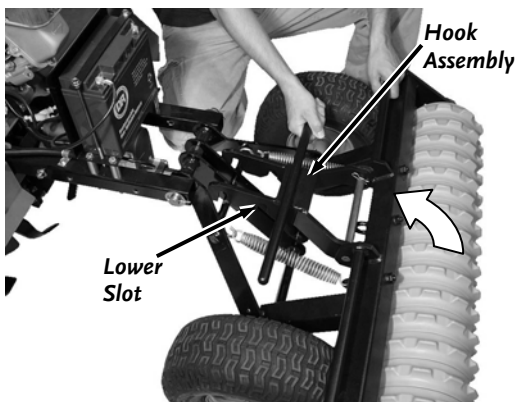


Figure 28

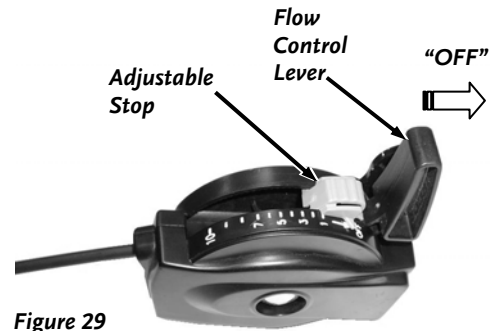
10. Lift the Culti-packer as you rotate the Hook Assembly forward until the Lower Slots of the Hook Assembly can be hooked over the Support Rod (**Figure 28**).
11. The Culti-packer is now in transport mode.

## OPERATING YOUR OPTIONAL ACCESSORY

### OPERATING YOUR DR POWER SPREADER

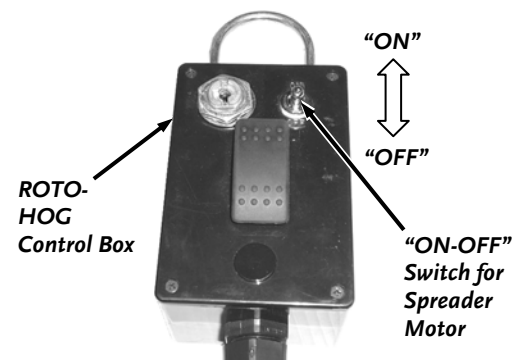
#### Setting the Flow Control Lever

1. Slide the Adjustable Stop to the desired setting ("OFF" is fully closed, "10" is fully open) (**Figure 29**).
2. Leave the Flow Control Lever at the "OFF" setting until you use the spreader.



#### Starting the DR Power Spreader

1. Toggle the "ON-OFF" switch of the ROTO-HOG Control Box to the "ON" position (**Figure 30**). Leave the Flow Control Lever at the "OFF" position until you use the Spreader (**Figure 29**).



#### Stopping the DR Power Spreader

1. Move the Flow Control Lever to the "OFF" position (**Figure 29**). Toggle the "ON-OFF" Switch to the "OFF" position (**Figure 30**).

## ! NOTICE!

WE DO NOT RECOMMEND THE USE OF ANY POWDERED LAWN CHEMICALS, DUE TO DIFFICULTY IN OBTAINING A SATISFACTORY OR CONSISTENT BROADCAST PATTERN.

APPLICATION RATES SHOWN IN THE CHART (TABLE 3, P. 20) ARE AFFECTED BY HUMIDITY AND BY THE MOISTURE CONTENT OF THE MATERIAL (GRANULAR AND PELLET). SOME MINOR SETTING ADJUSTMENTS MAY BE NECESSARY TO COMPENSATE FOR THIS CONDITION.

#### Using Your DR Power Spreader

1. Determine approximate square footage of area to be covered and estimate amount of material required.
2. Verify that the Spreader Motor turns on and off and that the flow control is operating properly.
3. Make sure the Flow Control Lever is in the "OFF" position.
4. Set the Adjustable Stop to the desired flow rate, keeping the Flow Control Lever in the "OFF" position. Refer to the application chart (**Table 3**) and the instructions on the Material Package to determine the proper flow rate setting. The application chart is calculated for a vehicle speed of 3 mph (100 ft. in 23 seconds). Faster speeds require higher flow rate settings to maintain the same application rate.

APPLICATION CHART		
TYPE MATERIAL	FLOW SETTING 3 MPH	SPREAD WIDTH
FERTILIZER		
Powder	3-5	3'-4'
Granular	3-5	8'-10'
Pelleted	3-5	10'-12'
Organic	6-8	6'-8'
GRASS SEED		
Fine	3-4	6'-7'
Coarse	4-5	8'-9'

Table 3

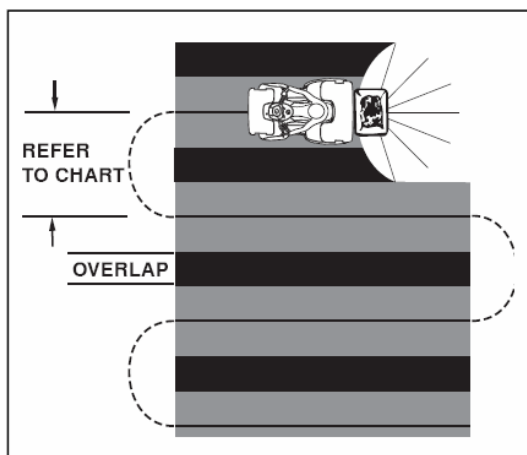


Figure 31

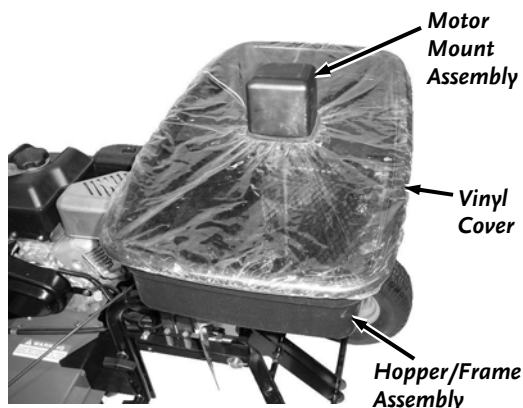


Figure 32

## ⚠ CAUTION!

**WHEN SPREADING WEED CONTROL FERTILIZERS, MAKE SURE THE BROADCAST PATTERN DOES NOT HIT EVERGREEN TREES, FLOWERS, SHRUBS OR VEGETABLE GARDENS.**

**FOLLOW THE INSTRUCTIONS, WARNINGS, ETC. FROM THE MANUFACTURER OF THE MATERIAL YOU ARE SPREADING TO ENSURE SAFE OPERATION.**

**DO NOT EXCEED THE 125LBS. WEIGHT LIMIT OF MATERIAL IN THE HOPPER.**

5. Break up any lumps as you fill the Hopper with the material to be spread.
6. Start the vehicle in motion and then toggle the ROTO-HOG Control Box switch to "ON" and move the Flow Control Lever up to lock with the Adjustable Stop.

**NOTE:** Move the Flow Control Lever to off ("OFF") before turning or stopping.

7. To insure uniform coverage, make each pass so that the broadcast pattern slightly overlaps the pattern from the previous pass (**Figure 31**). The approximate broadcast widths for different materials are shown in the application chart on this page.
8. Heavy moisture conditions may require a cover over the hopper to keep contents dry. The Vinyl Cover acts as a wind and moisture shield, but should not be used as a rain cover (**Figure 32**).
9. If fertilizer is accidentally deposited too heavily in an area, soak the area thoroughly with a garden hose or sprinkler to prevent burning of the lawn.

## Removing the DR Power Spreader

1. Disconnect the Wire Harness Connector from the Motor Mount Assembly Connector. Remove the Flow Control Valve Assembly from the rear of the vehicle if it is attached there.
2. Support the Spreader and remove the Wing knobs, Washers and Carriage Bolts from the Spreader Bracket Tubes.
3. Remove the Spreader from the tiller.



## OPERATING YOUR DR CULTI-PACKER

### Setting the Culti-packer to Operating Position

**NOTE:** The following procedure assumes the Culti-packer is in the transport position.

1. Lower the tines on the Tiller to halfway position with the Tiller Control Box.
2. Lift up on the Culti-packer as you lift up on the Hook Assembly to disengage the Hook Assembly Slot from the Tiller Wheel Mount Assembly (**Figure 33**).

**NOTE:** Holding down on the Hook Assembly Handle will help to engage the slot when you reach that point.

3. Slide the Hook Assembly down until the end slot engages with the rod of the Tiller Wheel Mount Assembly.
4. Raise the Tiller Tines to their uppermost position with the Tiller Control Box.
5. The Culti-packer Wheels are now engaged with the soil and the Tiller Wheels are lifted off the ground.
6. The Culti-packer is now ready to use.

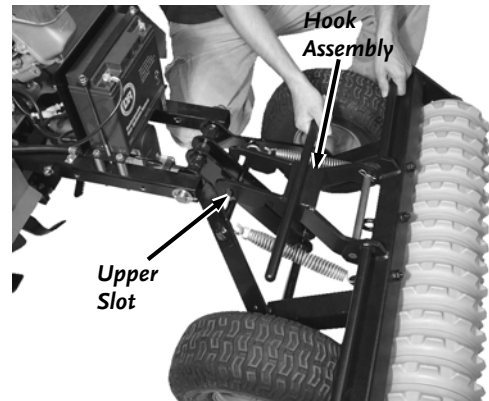


Figure 33

### Operating tips

- For best results it may be necessary to pack the soil before seeding and then pack the soil a second time after seeding.
- The Culti-packer can be used to break up clumps and to give soils a smooth finished appearance.
- If desired, the Culti-packer can be left in the “operating” position when the Tow Vehicle is being reversed.



## MAINTAINING THE OPTIONAL ACCESSORY

Regular maintenance is the way to ensure the best performance and long life of your OPTIONAL ACCESSORY. Please refer to this manual for maintenance procedures.

### ***MAINTAINING THE DR POWER SPREADER***

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#### **WARNING!**

WHEN PERFORMING ANY MAINTENANCE ON THE DR SPREADER ATTACHMENT WHEN THE UNIT IS STILL ATTACHED TO THE TILLER, YOU MUST FIRST MAKE SURE THE SWITCH ON THE TILLER CONTROL BOX IS IN THE “OFF” POSITION AND THEN DISCONNECT THE WIRE HARNESS OF THE MOTOR MOUNT ASSEMBLY.

---

#### ***Regular Maintenance Check List before each use***

##### **CHECK FOR LOOSE FASTENERS**

1. Before each use make a thorough visual check of the Spreader for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.

##### **CHECK FOR WORN OF DAMAGED PARTS**

1. Check for worn or damaged parts before each use.
2. Repair or replace parts if necessary.

---

#### **CAUTION!**

FOLLOW ALL WARNINGS, CAUTIONS ETC. FROM THE MATERIAL MANUFACTURERS FOR PROPPER CLEANING AND DISPOSAL PRACTICES BEFORE CLEANING YOUR EQUIPMENT.

---

##### **CLEANING**

1. Rinse inside of Hopper and exterior of Spreader and dry off before storing (even though the Spreader Motor is sealed, avoid spraying the Motor and wires if possible).
2. Clean out any build up of material from the Hopper Closure Plate.
3. Clean any build up of material from your ROTO-HOG Tiller.

##### ***Storage***

1. Rinse inside of Hopper and exterior of Spreader and dry off before storing (even though the Spreader Motor is sealed, avoid spraying the Motor and wires if possible).
2. Store in a clean, dry area.

## MAINTAINING THE DR CULTI-PACKER

### Regular Maintenance Check List before each use

#### GREASE BEARINGS

1. There are two grease points on the culti-packer. There is a bearing at each end of the wheel shaft. Greasing the bearings at least every 4 hours with all purpose grease is recommended. More frequent greasing may be necessary in very dusty conditions.

#### CHECK FOR LOOSE FASTENERS

1. Before each use make a thorough visual check of the Culti-packer for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.

#### CHECK FOR WORN OR DAMAGED PARTS

1. Check for worn or damaged parts before each use.
2. Repair or replace parts if necessary.

### Replacing Parts

#### REPLACING BEARINGS

1. Loosen the Bearing Set Screw (**Figure 34**).
2. Remove the Bolts and Washers then remove Bearing.
3. Position the new Bearing Over the Axle.
4. Install Bolts and Washers.
5. Tighten the Set Screw.

#### REPLACING WHEELS

1. Loosen both Bearing Set Screws (**Figure 34**).
2. Slide the Axle from the Bearings, Frame and Wheels.
3. Replace damaged Wheel with new Wheel.
4. Slide Axle through Bearings, Frame and Wheels.
5. Tighten Set Screws.

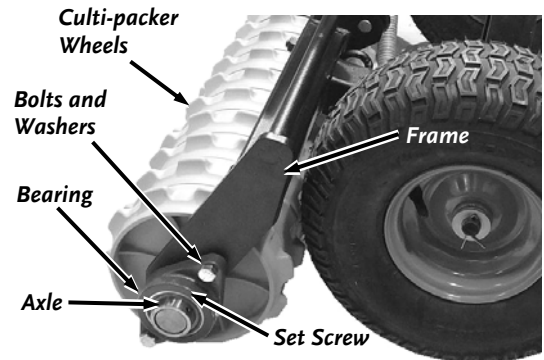


Figure 34

### Cleaning

1. Rinse the Culti-packer and dry off before storing.
2. Clean out any build up of material from the Culti-packer Wheels.
3. Clean any build up of material from your ROTO-HOG Tiller.

### Storage

1. Rinse the Culti-packer and dry off before storing.
2. Store in a clean, dry area.

---

## TROUBLESHOOTING YOUR OPTIONAL ACCESSORY

Most problems are easy to fix. Consult the Troubleshooting Tables below for common problems and their solutions. If the procedures for fixes are not in your OPTIONAL ACCESSORIES Safety and Operating Instructions or if you continue to experience problems, **please feel free to contact our Customer Service Representatives at our toll free number 1-800-DR-OWNER (376-9637).**

### TROUBLESHOOTING YOUR DR POWER SPREADER



**WHEN PERFORMING ANY MAINTENANCE ON THE DR SPREADER ATTACHMENT WHEN THE UNIT IS STILL ATTACHED TO THE TILLER, YOU MUST FIRST MAKE SURE THE SWITCH IS IN THE OFF POSITION AND THEN DISCONNECT THE WIRE HARNESS.**

---

#### *Troubleshooting Table*

SYMPTOM	POSSIBLE CAUSE
<i>Hopper closure plate does not open to the correct position.</i>	⇒ Material packed around plate. Clean out around closure plate.
<i>Spreader motor doesn't run.</i>	⇒ Loose connection in spreader wiring. Check and reconnect. ⇒ Loose battery connection. Tighten battery terminals. ⇒ Battery is run down. Recharge the battery. ⇒ Broken spreader wiring. Replace damaged wiring. ⇒ Spreader on-off switch is broken. Replace the switch. ⇒ Spreader motor is broken. Repair or replace motor.
<i>Motor runs when switch is shut off.</i>	⇒ Spreader on-off switch is broken. Replace the switch.

## TROUBLESHOOTING YOUR DR CULTI-PACKER

### Troubleshooting Table

SYMPTOM	POSSIBLE CAUSE
<i>Culti-packer wheels do not turn when in use.</i>	⇒ Material packed around wheels. Clean out around and between wheels ⇒ Bearings not working properly. Grease or replace bearings as needed.
<i>Culti-packer does not raise and lower when the tiller control panel is operated.</i>	⇒ Check that the culti-packer handle assembly is locked in the desired groove. Lock the handle assembly into the desired groove.
<i>The culti-packer does not touch the ground when in operation.</i>	⇒ The culti-packer is in the transport position. Move the culti-packer into the operating position.

***Notes:***

## PARTS LIST AND SCHEMATIC DIAGRAMS

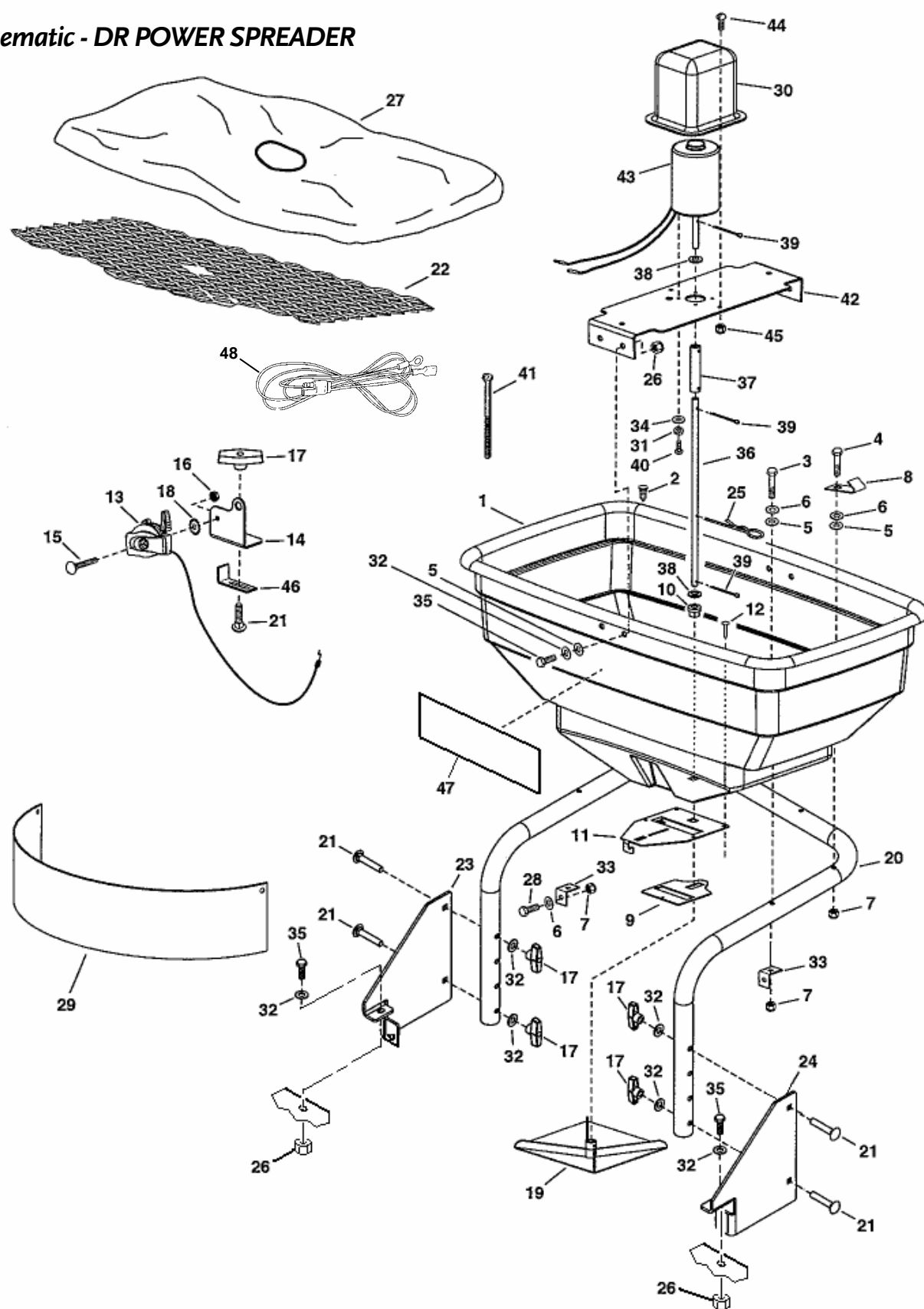
### Parts List - DR POWER SPREADER

**NOTE:** Part numbers listed are available through Country Home Products.

<u>Ref#</u>	<u>Part#</u>	<u>Description</u>	<u>Ref#</u>	<u>Part#</u>	<u>Description</u>
01	234851	Hopper	31	234931	Washer, Lock. #10
02	234811	Plug, 1/4"	32	232871	Washer, 5/16" Std .375 X .875
03	234761	Bolt, Hex, 1/4-20" x 2-1/4"	33	234581	Bracket, Angle
04	234791	Bolt, Hex, 1/4-20" x 2"	34	232951	Washer, SAE. #10
05	234911	Washer, Nylon	35	232851	Bolt, Hex 5/16-18 X 1 G5
06	232891	Washer, 1/4 Std .312 X .734	36	234631	Shaft, Impeller
07	233031	Nut, Hex 1/4-20 Nylock	37	234601	Coupler, Impeller
08	234651	Clip	38	234841	Seal, Motor Lip
09	234641	Plate, Side	39	234691	Pin, Cotter, 1/8" x 1-1/4"
10	234731	Bushing, Hopper	40	234771	Bolt, Pan Slot, #8-32 x 1/2"
11	234591	Plate, Guide	41	234921	Tie, Nylon
12	234711	Rivet, Pop, 3/16"	42	234611	Bracket, Motor Mount
13	234681	Cable Assembly, Control	43	234781	Motor, 12 Volt
14	234621	Bracket, Control Mount	44	232931	Bolt, Slotted, #10-32 X 5/8"
15	234751	Bolt, Carriage, 1/4"-20 x 1-3/4"	45	233021	Nut, Nylock, #10-32
16	234801	Nut, Hex Sims, 1/4"	46	234571	Bracket, Mounting
17	234701	Knob, Wing	47	234971	Label, Spreader Operation
18	234741	Washer, Star	48	233721	Spreader Cable
19	234901	Impeller, Spreader			
20	234871	Tube, Hopper Mount			
21	234721	Bolt, Carriage, 5/16"-18/ x 1-3/4"			
22	234891	Screen, Spreader			
23	234661	Bracket, Mount RH			
24	234671	Bracket, Mount LH			
25	234861	Hairpin, Agitator			
26	233081	Nut, Hex 5/16-18 Nylock			
27	234881	Cover, Vinyl			
28	232841	Bolt, Hex 1/4-20 X 3/4 G5			
29	234831	Deflector, Rear			
30	234821	Cover, Motor			



## Schematic - DR POWER SPREADER

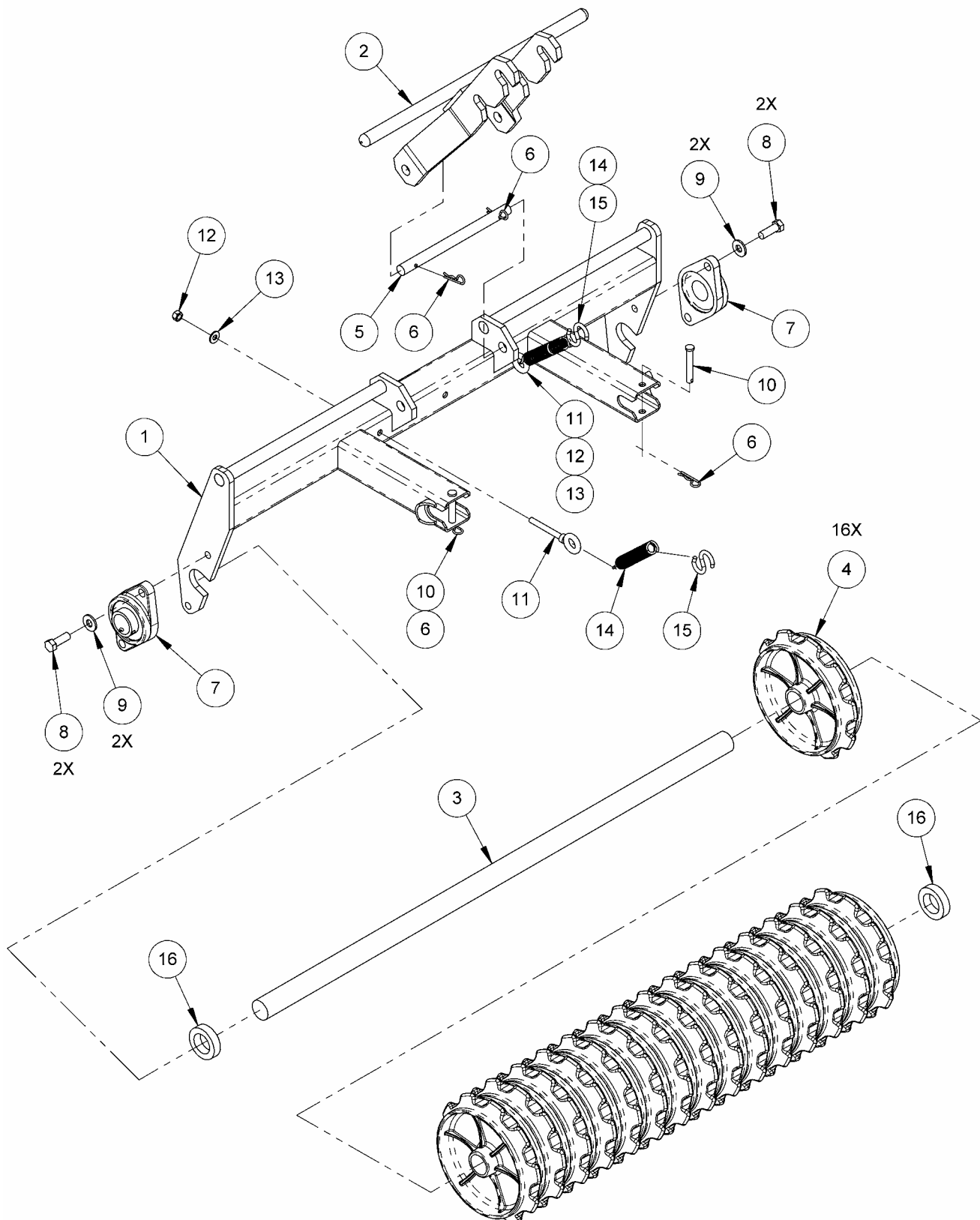


## **Parts List - DR CULTI-PACKER**

*Parts List - DR CULTI-PACKER* **NOTE:** Part numbers listed are available through Country Home Products.

<b>Ref#</b>	<b>Part#</b>	<b>Description</b>
01	234171	Frame Assembly
02	234181	Hook Assembly
03	234301	Axle
04	234791	Wheel
05	234311	Hook, Axle
06	234191	Clip, Hairpin, 1/16" X 1-3/4"
07	234201	Bearing, Flange
08	234211	Bolt, Hex, 7/16" X 1.25"
09	234221	Washer, Lock, 7/16"
10	234231	Pin, Clevis, 3/8" X 2.25"
11	234241	Bolt, Eye, 5/16" X 3"
12	234251	Nut, 5/16"-18
13	234261	Washer, Lock, 5/16"
14	234271	Spring, Extension
15	234281	Hook, "S"
16	234321	Ring, Axle Spacer

# **Schematic - DR CULTI-PACKER**



## ***Daily Checklist for the OPTIONAL ACCESSORY***

To help maintain your OPTIONAL ACCESSORY for optimum performance, we recommend you follow this checklist each time you use your Accessory.

### ***DR POWER SPREADER CHECKLIST***

- ☐ Before each use make a thorough visual check of the Spreader for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.
- ☐ Check for worn or damaged parts before each use.
- ☐ Repair or replace parts if necessary.

### ***DR CULTI-PACKER CHECKLIST***

- ☐ Before each use make a thorough visual check of the Culti-packer for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.
- ☐ Check for worn or damaged parts before each use.
- ☐ Repair or replace parts if necessary.
- ☐ Check that the Culti-packer wheels are turning freely.
- ☐ Grease the bearings with all purpose grease if needed.



COUNTRY HOME PRODUCTS, Inc.

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**MEIGS ROAD, P.O. BOX 25, VERGENNES, VERMONT 05491**

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